

# DOE Computer Graphics Forum 2012 Site Survey

**Site Name:** Engineer Research Development Center

**Site Division or Group:** ERDC DoD Supercomputing Resource Center (ERDC/DSRC), Data Analysis & Assessment Center (DAAC)

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## Group Overview

**Mission:**

Support the users of the DoD High Performance Computing Modernization Program (HPCMP) with their Visualization and Analysis needs through training, software development, and presentation visuals.

**Past Year's Activities:**

SciDAC2011 Award

Deployment of the "Secure Remote Desktop" tool on the new Utility Servers

Integration of the 2 DAAC components into a new cohesive DAAC entity

New software deployment and monitoring strategies

SuperComputing2011

**Plans and Priorities:**

UGC2012, SC2012, NAB, SIGGRAPH, GTC, VisWeek

Deployment of the "Sparrow" interactive web-based visualization system

Integration of VisIt into the HPCMP Officially Supported viz packages

## Funding Sources

DoD HPCMP

## Current Resources

**Hardware:**

7-node Graphstream Linux Cluster (Amethyst)

80-node BOXX RenderPro Render Farm  
100TB Sun/Oracle 7420 Disk Storage System  
Various Cray/SGI/IBM/Appro systems  
<http://www.afrl.hpc.mil/consolidated/hardware.php>

**Software:**

VisIt/ParaView/EnSight/ezViz  
Secure Remote Desktop (SRD)  
3dsMax/Maya/Krakatoa

**Staff:**

ERDC/DAAC – 7 FTE

**Planned Growth**

**Hardware Acquisitions**

List the planned hardware acquisitions planned for the upcoming year.

**Software Acquisitions**

Autodesk 2013 Suite, Adobe CS6 suite  
Avid

**Personnel Acquisitions**

1 FTE – Visualization Scientist  
1 FTE – Systems Administrator

**Additional Comments**

N/A